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DIALOG(R)File 352:Derwent WPI

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WPI Acc No: 1979-45740B/197925

Optical brightener prepn. contg. polyvinyl alcohol - to reduce greening of detergent compsns. during storage

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Number of Countries: 008 Number of Patents: 003

Basic Patent:

| Patent No  | Kind | Date     | Applicat No | Kind | Date | Week     |
|------------|------|----------|-------------|------|------|----------|
| DE 2834224 | B    | 19790613 |             |      |      | 197925 B |

Priority Applications (No Type Date): DE 2834224 A 19780804

Cited Patents: AT 318531; AU 36973; DE 2351430

Designated States (Regional): BE; CH; DE; FR; GB; IT; NL

Abstract (Basic): DE 2834224 B

Prepns. of known detergent brighteners of formula in which R is (I) -N O or (II) -N(CH<sub>2</sub>CH<sub>2</sub>OH)<sub>2</sub>, contain 1-100 wt. % polyvinyl alcohol based on wt. of brightener.

In solid detergent mixts. for use as washing powders.

Greening of detergent mixts contg. sec. alkane sulphonates, esp. during storage at high humidities or temps., is reduced.

Polyvinyl alcohol of hydrolysis grade 60-100 (80-100) % is used, in amount of 10.50 wt. %

The brightener is mixed with an aqueous soln. of polyvinyl alcohol which is then dried and pulverised. Pref. spray drying is used, with inlet temp. 150-350 degrees (200-220 degrees C) 10 g. brightener (I) as 70% mixt. with NaCl, is added to 25 wt. 4% aq. soln. of polyvinyl alcohol with polymerisation grade 530 ard.

Title Terms: OPTICAL; BRIGHTEN; PREPARATION; CONTAIN; POLYVINYL; ALCOHOL;

REDUCE; DETERGENT; COMPOSITION; STORAGE

Index Terms/Additional Words: PVA; GREEN

Derwent Class: A14; A97; D25; E23

International Patent Class (Additional): C11D-003/42; D06L-003/12

File Segment: CPI

Manual Codes (CPI/A-N): A10-E09B; A12-W12A; D11-B01; E24-A01; E24-A02

Plasdoc Codes (KS): 0034 0037 0042 0206 0228 0231 1981 2007 2209 2329 2377  
2386 2528 2542 2572 2701

Polymer Fragment Codes (PF):

\*001\* 011 03& 04- 06- 075 09- 15- 231 240 244 245 252 273 305 306 368 393  
402 408 409 427 479 481 483 532 536 546 603 678

Chemical Fragment Codes (M4):

\*01\* K0 H1 H7 M121 M123 M129 M143 M144 M133 M139 M149 M312 M332 M321 M323  
M280 M342 M380 M393 F580 F653 F599 F699 G100 M533 K431 K432 K499  
H122 H123 H202 H203 H482 H483 H484 H721 W032 H102 W003 M510 M522  
M523 M540 W336 Q613 P200 Q261 Q262 Q263 Q271 Q272 Q273 R041 M781  
R032 R035 R036 M413 M902  
\*02\* M126 M116 M129 M119 M139 M149 M320 M280 E400 E499 E599 F211 W030  
W003 M512 M513 M521 M530 M540 W335 Q613 P200 Q261 Q262 Q263 Q271  
Q272 Q273 R041 M781 R032 R035 R036 M412 M902

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